

# Mineral Industry Surveys

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## COPPER IN SEPTEMBER 2006

Average daily mine production of copper in September was essentially unchanged from that in August, according to data compiled by the U.S. Geological Survey. Mine production for the first 9 months of 2006 was up by only about 2% from that in the same period of 2005, despite the 6-week strike at ASARCO Incorporated that reduced its output during the third quarter of 2005. Production at Phelps Dodge Corp.'s (Phoenix, AZ) U.S. mines for the first 9 months of 2006 declined by about 6% compared with production for the first 9 months of 2005. At Kennecott Utah Copper Corp.'s (Salt Lake City, UT) Bingham Canyon Mine in Utah, copper and gold production benefited from higher ore grades, and production during the first 9 months of the year was up by 18% and 32%, respectively, compared with production in the first 9 months of 2005. The copper millhead grade averaged 0.64% copper during the first 9 months of 2006, compared with 0.53% for the comparative period in 2005. Molybdenum production rose by 14% owing to improved recovery rates (Phelps Dodge Corp., 2006b, p.10; Rio Tinto plc, 2006, p. 4, 14).

In September, smelter production of copper fell by almost 27% and electrolytic refinery production fell by about 4% from that in August owing to a 45-day planned maintenance shutdown of Kennecott's Garfield, UT, smelter. Year-to-date smelter and refinery production remained about 4% and 13%, respectively, above that for the same period in 2005 (Rio Tinto plc, 2006, p. 4).

**Update:**

On November 19, Freeport-McMoran Copper & Gold Inc. (New Orleans, LA) and Phelps Dodge announced that they had

signed a definitive merger agreement under which Freeport-McMoran would acquire Phelps Dodge for approximately \$29.5 billion in cash and stock. Under terms of the agreement, Phelps Dodge shareholders would receive a combination of cash and stock worth about \$126 per Phelps Dodge share, which represented a 33% premium based on the November 17 closing price of Phelps Dodge stock. The combined company would have the largest annual copper mine production of any privately held copper company in the world. Combined production of the two companies in 2005 totaled about 1.5 million metric tons of copper. While Phelps Dodge had copper mines in North America, South America, and Africa, Freeport-McMoran's only mine (copper-gold) was the Grasberg Mine in Indonesia. The corporate headquarters would be in Phoenix, though management of Grasberg would remain in New Orleans. The merger was subject to approval of shareholders and receipt of regulatory approvals, and was expected to be completed at the end of the first quarter of 2007 (Phelps Dodge Corp., 2006a).

**References Cited**

- Phelps Dodge Corp., 2006a, Freeport-McMoran Copper & Gold to acquire Phelps Dodge, creating the world's largest publicly traded copper company: Phelps Dodge Corp. news release, November 19, 5 p.  
Phelps Dodge Corp., 2006b, Phelps Dodge reports record quarterly net income of \$888.0 million, or \$4.36 per share, for 2006 third quarter: Phoenix, AZ, Phelps Dodge Corp. news release, October 24, 16 p.  
Rio Tinto plc, 2006, Third quarter operations review: London, United Kingdom, Rio Tinto plc news release, October 18, 18 p.

TABLE 1  
SALIENT STATISTICS OF THE COPPER INDUSTRY IN THE UNITED STATES<sup>1</sup>

(Metric tons, unless otherwise specified)

|  | Source<br>table <sup>2</sup> | 2005 <sup>p</sup> | 2006                |           |                        |
|--|------------------------------|-------------------|---------------------|-----------|------------------------|
|  |                              |                   | August              | September | January -<br>September |
| Production:  |                              |                   |                     |           |                        |
| Primary:   |                              |                   |                     |           |                        |
| Mine, recoverable                                    | (2)                          | 1,140,000         | 100,000             | 96,400    | 890,000                |
| Refinery:  |                              |                   |                     |           |                        |
| Electrolytic:  |                              |                   |                     |           |                        |
| Domestic and foreign                                 | (4)                          | 654,000           | 59,000              | 56,600    | 540,000                |
| Electrowon   | (4)                          | 554,000           | 43,700 <sup>r</sup> | 42,500    | 397,000                |
| Total  | (4)                          | 1,210,000         | 103,000             | 99,100    | 937,000                |
| Secondary recoverable copper:                        |                              |                   |                     |           |                        |
| Refineries   | (5)                          | 47,200            | 3,700               | 3,770     | 33,600                 |
| Ingot makers <sup>3</sup>                            | (5)                          | 89,500            | 7,460               | 7,460     | 67,100                 |
| Brass and wire-rod mills                             | (5)                          | 697,000           | 61,700              | 58,200    | 559,000                |
| Foundries, etc. <sup>3</sup>                         | (5)                          | 58,400            | 4,870               | 4,870     | 43,800                 |
| Smelter, total                                       | (3)                          | 523,000           | 45,100              | 33,200    | 397,000                |
| Consumption:   |                              |                   |                     |           |                        |
| Apparent   | (8)                          | 2,400,000         | 203,000             | NA        | NA                     |
| Refined (reported)                                   | (7)                          | 2,270,000         | 182,000             | 180,000   | 1,690,000              |
| Purchased copper-base scrap                          | (9)                          | 1,130,000         | 99,100 <sup>r</sup> | 94,600    | 892,000                |
| Stocks at end of period:                             |                              |                   |                     |           |                        |
| Total refined  | (11)                         | 65,900            | 91,500              | 103,000   | XX                     |
| Blister, etc.  | (11)                         | 44,300            | 14,600              | 19,400    | XX                     |
| Prices:  |                              |                   |                     |           |                        |
| U.S. producer cathode (cents per pound) <sup>4</sup> | (12)                         | 173.493           | 358.887             | 352.184   | 311.355                |
| Imports: <sup>5</sup>                                |                              |                   |                     |           |                        |
| Ores and concentrates <sup>6</sup>                   | (14)                         | 223               | --                  | NA        | NA                     |
| Refined  | (14)                         | 1,000,000         | 101,000             | NA        | NA                     |
| Exports: <sup>5</sup>                                |                              |                   |                     |           |                        |
| Ores and concentrates <sup>6</sup>                   | (15)                         | 137,000           | 17,000              | NA        | NA                     |
| Refined  | (15)                         | 39,500            | 9,560               | NA        | NA                     |

<sup>p</sup>Preliminary. <sup>r</sup>Revised. NA Not available. XX Not applicable. -- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits, except prices; may not add to totals shown.

<sup>2</sup>Numbers in parentheses refer to the significant tables where these data are located.

<sup>3</sup>Monthly data and 2005 cumulative data estimated based on 2004 monthly average.

<sup>4</sup>Source: Platts Metals Week.

<sup>5</sup>Source: U.S. Census Bureau.

<sup>6</sup>Copper content.

TABLE 2  
MINE PRODUCTION OF RECOVERABLE COPPER IN THE UNITED STATES<sup>1</sup>

(Metric tons)

| Period                           | Recoverable copper |                     |           | Contained copper    |                           |           |
|----------------------------------|--------------------|---------------------|-----------|---------------------|---------------------------|-----------|
|                                  | Arizona            | Others <sup>2</sup> | Total     | Electrowon          | Concentrates <sup>3</sup> | Total     |
| 2005: <sup>P</sup>               |                    |                     |           |                     |                           |           |
| January - September <sup>r</sup> | 526,000            | 342,000             | 869,000   | 415,000             | 467,000                   | 882,000   |
| September                        | 53,500             | 39,200              | 92,700    | 46,300              | 47,700                    | 93,900    |
| October                          | 53,300             | 35,200              | 88,500    | 45,200              | 44,500                    | 89,700    |
| November                         | 52,800             | 34,100              | 86,900    | 45,800              | 42,300                    | 88,100    |
| December                         | 57,500             | 38,300              | 95,800    | 48,000              | 49,200                    | 97,200    |
| Year                             | 690,000            | 450,000             | 1,140,000 | 554,000             | 603,000                   | 1,160,000 |
| 2006:                            |                    |                     |           |                     |                           |           |
| January                          | 55,900             | 36,600              | 92,600    | 43,000              | 51,300                    | 94,300    |
| February                         | 52,700             | 34,400              | 87,100    | 39,600              | 49,200                    | 88,800    |
| March                            | 60,800             | 44,400              | 105,000   | 45,300              | 62,000                    | 107,000   |
| April                            | 58,900             | 39,000              | 97,900    | 44,400              | 55,400                    | 99,900    |
| May                              | 61,900             | 44,000              | 106,000   | 47,700              | 60,700                    | 108,000   |
| June                             | 60,300             | 41,100              | 101,000   | 45,700              | 57,600                    | 103,000   |
| July                             | 60,300             | 42,500              | 103,000   | 45,200              | 59,600                    | 105,000   |
| August                           | 59,700             | 40,800 <sup>r</sup> | 100,000   | 43,700 <sup>r</sup> | 58,800 <sup>r</sup>       | 102,000   |
| September                        | 59,100             | 37,300              | 96,400    | 42,500              | 55,900                    | 98,400    |
| January - September              | 530,000            | 360,000             | 890,000   | 397,000             | 510,000                   | 908,000   |

<sup>P</sup>Preliminary. <sup>r</sup>Revised.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Includes production from Alaska, Idaho, Missouri, Montana, Nevada, New Mexico, and Utah.

<sup>3</sup>Includes copper content of precipitates and other metal concentrates.

TABLE 3  
COPPER PRODUCED AT SMELTERS IN  
THE UNITED STATES, BY SOURCE<sup>1,2</sup>

(Metric tons, copper content)

| Period              | Anode<br>production |
|---------------------|---------------------|
| 2005: <sup>P</sup>  |                     |
| January - September | 382,000             |
| September           | 48,500              |
| October             | 51,800              |
| November            | 47,500              |
| December            | 42,200              |
| January - December  | 523,000             |
| 2006:               |                     |
| January             | 47,500              |
| February            | 47,900              |
| March               | 45,800              |
| April               | 45,900              |
| May                 | 51,000              |
| June                | 38,100              |
| July                | 42,500              |
| August              | 45,100              |
| September           | 33,200              |
| January - September | 397,000             |

<sup>P</sup>Preliminary.

<sup>1</sup>Includes blister, anode and copper from primary or secondary sources.

<sup>2</sup>Data are rounded to no more than three significant digits; may not add to total shown.

TABLE 4  
PRODUCTION OF REFINED COPPER, BY SOURCE AND METHOD OF RECOVERY<sup>1</sup>

(Metric tons)

| Period                           | Primary materials                     |                     |           | Scrap  | Total refined |
|----------------------------------|---------------------------------------|---------------------|-----------|--------|---------------|
|                                  | Electrolytically refined <sup>2</sup> | Electrowon          | Total     |        |               |
| 2005: <sup>p</sup>               |                                       |                     |           |        |               |
| January - September <sup>r</sup> | 477,000                               | 415,000             | 891,000   | 35,900 | 927,000       |
| September                        | 52,900                                | 46,300              | 99,100    | 3,860  | 103,000       |
| October                          | 55,600                                | 45,200              | 101,000   | 3,700  | 104,000       |
| November                         | 58,700                                | 45,800              | 105,000   | 3,760  | 108,000       |
| December                         | 63,100                                | 48,000              | 111,000   | 3,880  | 115,000       |
| Year                             | 654,000                               | 554,000             | 1,210,000 | 47,200 | 1,260,000     |
| 2006:                            |                                       |                     |           |        |               |
| January                          | 53,000                                | 43,000              | 96,000    | 3,820  | 99,900        |
| February                         | 57,300                                | 39,600              | 96,900    | 3,720  | 101,000       |
| March                            | 68,400                                | 45,300              | 114,000   | 3,770  | 117,000       |
| April                            | 60,800                                | 44,400              | 105,000   | 3,700  | 109,000       |
| May                              | 61,500                                | 47,700              | 109,000   | 3,730  | 113,000       |
| June                             | 65,100                                | 45,700              | 111,000   | 3,700  | 115,000       |
| July                             | 58,200                                | 45,200              | 103,000   | 3,700  | 107,000       |
| August                           | 59,000                                | 43,700 <sup>r</sup> | 103,000   | 3,700  | 106,000       |
| September                        | 56,600                                | 42,500              | 99,100    | 3,770  | 103,000       |
| January - September              | 540,000                               | 397,000             | 937,000   | 33,600 | 971,000       |

<sup>p</sup>Preliminary. <sup>r</sup>Revised.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>From domestic and foreign source materials.

TABLE 5  
COPPER RECOVERABLE IN UNALLOYED AND ALLOYED FORM FROM PURCHASED COPPER-BASE SCRAP<sup>1</sup>

(Metric tons, copper content)

| Period              | Refineries <sup>2</sup> |                     | Ingot makers <sup>3</sup> |                     | Brass and wire-rod mills |           | Foundries, etc. <sup>3</sup> |                     | Total <sup>4</sup>   |
|---------------------|-------------------------|---------------------|---------------------------|---------------------|--------------------------|-----------|------------------------------|---------------------|----------------------|
|                     | New scrap               | Old scrap           | New scrap                 | Old scrap           | New scrap                | Old scrap | New scrap                    | Old scrap           |                      |
| 2005: <sup>p</sup>  |                         |                     |                           |                     |                          |           |                              |                     |                      |
| January - September | 12,000                  | 23,900 <sup>r</sup> | 19,300 <sup>r</sup>       | 47,900 <sup>r</sup> | 496,000                  | 25,500    | 18,400 <sup>r</sup>          | 25,500 <sup>r</sup> | 668,000 <sup>r</sup> |
| September           | 1,340                   | 2,520               | 2,140                     | 5,320               | 56,800                   | 2,810     | 2,040                        | 2,830               | 75,800               |
| October             | 1,340                   | 2,360               | 2,140                     | 5,320               | 59,000                   | 1,410     | 2,040                        | 2,830               | 76,400               |
| November            | 1,340                   | 2,420               | 2,140                     | 5,320               | 57,300                   | 1,410     | 2,040                        | 2,830               | 74,800               |
| December            | 1,340                   | 2,550               | 2,140                     | 5,320               | 54,500                   | 1,490     | 2,040                        | 2,830               | 72,200               |
| Year                | 16,000                  | 31,200              | 25,700                    | 63,800              | 667,000                  | 29,800    | 24,500                       | 33,900              | 892,000              |
| 2006:               |                         |                     |                           |                     |                          |           |                              |                     |                      |
| January             | 1,340                   | 2,480               | 2,140                     | 5,320               | 63,500                   | 1,460     | 2,040                        | 2,830               | 81,100               |
| February            | 1,340                   | 2,390               | 2,140                     | 5,320               | 58,300                   | 496       | 2,040                        | 2,830               | 74,900               |
| March               | 1,340                   | 2,430               | 2,140                     | 5,320               | 62,700                   | 1,560     | 2,040                        | 2,830               | 80,400               |
| April               | 1,340                   | 2,370               | 2,140                     | 5,320               | 60,700                   | 1,060     | 2,040                        | 2,830               | 77,800               |
| May                 | 1,340                   | 2,400               | 2,140                     | 5,320               | 62,900                   | 1,840     | 2,040                        | 2,830               | 80,800               |
| June                | 1,340                   | 2,370               | 2,140                     | 5,320               | 63,000                   | 1,400     | 2,040                        | 2,830               | 80,400               |
| July                | 1,340                   | 2,370               | 2,140                     | 5,320               | 59,400                   | 697       | 2,040                        | 2,830               | 76,100               |
| August              | 1,340                   | 2,370               | 2,140                     | 5,320               | 60,800                   | 838       | 2,040                        | 2,830               | 77,700               |
| September           | 1,340                   | 2,440               | 2,140                     | 5,320               | 57,400                   | 783       | 2,040                        | 2,830               | 74,300               |
| January - September | 12,000                  | 21,600              | 19,300                    | 47,900              | 549,000                  | 10,100    | 18,400                       | 25,500              | 703,000              |

<sup>p</sup>Preliminary. <sup>r</sup>Revised.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Electrolytically refined and fire-refined scrap based on source of material at smelter level.

<sup>3</sup>Monthly data and 2005 cumulative data estimated based on 2004 annual data.

<sup>4</sup>Does not include an estimate, based on reported 2004 data of 3,100 tons per month from new scrap and 2,000 tons per month of copper recovered from scrap other than copper-base.

TABLE 6  
PRODUCTION, SHIPMENTS, AND STOCKS OF BRASS AND WIRE-ROD SEMIFABRICATES<sup>1</sup>

(Metric tons, gross weight)

| Period              | Production  |                        | Shipments   |                        | Stocks, end of period |                |
|---------------------|-------------|------------------------|-------------|------------------------|-----------------------|----------------|
|                     | Brass mills | Wire-rod mills         | Brass mills | Wire-rod mills         | Brass mills           | Wire-rod mills |
| 2005: <sup>p</sup>  |             |                        |             |                        |                       |                |
| January - September | 1,030,000   | 1,290,000 <sup>r</sup> | 1,040,000   | 1,300,000 <sup>r</sup> | XX                    | XX             |
| September           | 122,000     | 155,000                | 122,000     | 155,000                | 45,300                | 24,800         |
| October             | 125,000     | 143,000                | 124,000     | 140,000                | 45,900                | 26,700         |
| November            | 118,000     | 134,000                | 119,000     | 136,000                | 44,900                | 25,400         |
| December            | 104,000     | 131,000                | 101,000     | 128,000                | 47,900                | 25,100         |
| Year                | 1,370,000   | 1,700,000              | 1,380,000   | 1,700,000              | XX                    | XX             |
| 2006:               |             |                        |             |                        |                       |                |
| January             | 112,000     | 155,000                | 111,000     | 148,000                | 48,800                | 32,100         |
| February            | 114,000     | 125,000                | 114,000     | 133,000                | 48,500                | 22,000         |
| March               | 117,000     | 143,000                | 118,000     | 144,000                | 49,900                | 21,100         |
| April               | 115,000     | 137,000                | 115,000     | 139,000                | 49,100                | 21,300         |
| May                 | 120,000     | 145,000                | 122,000     | 149,000                | 47,300                | 20,700         |
| June                | 118,000     | 144,000                | 117,000     | 144,000                | 48,500                | 20,200         |
| July                | 101,000     | 135,000                | 104,000     | 133,000                | 45,700                | 22,700         |
| August              | 112,000     | 137,000                | 112,000     | 135,000                | 46,000                | 24,700         |
| September           | 107,000     | 137,000                | 108,000     | 131,000                | 45,300                | 31,200         |
| January - September | 1,020,000   | 1,260,000              | 1,020,000   | 1,260,000              | XX                    | XX             |

<sup>p</sup>Preliminary. <sup>r</sup>Revised. XX Not applicable.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 7  
CONSUMPTION OF REFINED COPPER<sup>1</sup>

(Metric tons)

| Period and item       | Brass mills          | Wire-rod mills         | Other plants <sup>2</sup> | Total     |
|-----------------------|----------------------|------------------------|---------------------------|-----------|
| 2005: <sup>p</sup>    |                      |                        |                           |           |
| January - September   | 398,000 <sup>r</sup> | 1,280,000 <sup>r</sup> | 46,400                    | 1,720,000 |
| September             | 45,300               | 154,000                | 5,160                     | 204,000   |
| October               | 46,200               | 144,000                | 5,160                     | 195,000   |
| November              | 42,900               | 135,000                | 5,160                     | 183,000   |
| December              | 41,200               | 126,000                | 5,160                     | 173,000   |
| Year                  | 528,000              | 1,680,000              | 61,900                    | 2,270,000 |
| 2006:                 |                      |                        |                           |           |
| January               | 44,300               | 159,000                | 5,160                     | 209,000   |
| February              | 42,600               | 125,000                | 5,160                     | 172,000   |
| March                 | 45,000               | 135,000                | 5,160                     | 185,000   |
| April                 | 42,800               | 141,000                | 5,160                     | 189,000   |
| May                   | 47,200               | 147,000                | 5,160                     | 199,000   |
| June                  | 41,500               | 148,000                | 5,160                     | 195,000   |
| July                  | 37,200               | 139,000                | 5,160                     | 182,000   |
| August:               | 38,300 <sup>r</sup>  | 139,000                | 5,160                     | 182,000   |
| September:            |                      |                        |                           |           |
| Cathodes              | 27,400               | 136,000                | 954                       | 165,000   |
| Wire bars             | --                   | --                     | (3)                       | (3)       |
| Ingots and ingot bars | 2,060                | --                     | 2,130                     | 4,180     |
| Cakes and slabs       | (3)                  | --                     | (3)                       | (3)       |
| Billets and other     | 8,960                | --                     | 2,080                     | 11,000    |
| Total                 | 38,500               | 136,000                | 5,160                     | 180,000   |
| January - September   | 377,000              | 1,270,000              | 46,400                    | 1,690,000 |

<sup>p</sup>Preliminary. <sup>r</sup>Revised. -- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Consumption by ingot makers, chemical plants, foundries, and miscellaneous manufacturers is estimated based on 2004 annual data.

<sup>3</sup>Withheld to avoid disclosing company proprietary data; included with "Billets and other."

TABLE 8  
U.S. APPARENT CONSUMPTION OF COPPER<sup>1</sup>

(Metric tons)

| Period                           | Refined copper production | Copper in old scrap <sup>2</sup> | Refined general imports <sup>3</sup> | Refined exports <sup>3</sup> | Stock change during period | Apparent consumption |
|----------------------------------|---------------------------|----------------------------------|--------------------------------------|------------------------------|----------------------------|----------------------|
| 2005: <sup>P</sup>               |                           |                                  |                                      |                              |                            |                      |
| January - September <sup>r</sup> | 891,000                   | 140,000                          | 676,000                              | 31,400                       | (66,400)                   | 1,740,000            |
| September                        | 99,100                    | 15,300                           | 79,400                               | 1,800                        | (10,700)                   | 203,000              |
| October                          | 101,000                   | 13,800                           | 99,100                               | 3,350                        | (4,470)                    | 215,000              |
| November                         | 105,000                   | 13,800                           | 99,700                               | 1,760                        | (4,780)                    | 221,000              |
| December                         | 111,000                   | 14,000                           | 102,000                              | 3,020                        | 4,960                      | 219,000              |
| Year                             | 1,210,000                 | 181,000                          | 977,000                              | 39,500                       | (70,700)                   | 2,400,000            |
| 2006:                            |                           |                                  |                                      |                              |                            |                      |
| January                          | 96,000                    | 14,000                           | 111,000                              | 5,600                        | 16,200                     | 200,000              |
| February                         | 96,900                    | 12,900                           | 108,000                              | 7,320                        | 24,200                     | 187,000              |
| March                            | 114,000                   | 14,000                           | 80,100                               | 6,780                        | 2,420                      | 199,000              |
| April                            | 105,000                   | 13,400                           | 69,100                               | 9,600                        | (18,500)                   | 197,000              |
| May                              | 109,000                   | 14,200                           | 100,000                              | 6,270                        | (2,890)                    | 220,000              |
| June                             | 111,000                   | 13,800                           | 94,100                               | 13,100                       | (10,100)                   | 216,000              |
| July                             | 103,000                   | 13,100                           | 91,400                               | 6,010                        | 9,220                      | 193,000              |
| August                           | 103,000                   | 13,200                           | 101,000                              | 9,560                        | 5,120 <sup>r</sup>         | 203,000              |
| September                        | 99,100                    | 13,200                           | NA                                   | NA                           | 11,300                     | NA                   |
| January - September              | 937,000                   | 122,000                          | NA                                   | NA                           | 37,000                     | NA                   |

<sup>P</sup>Preliminary. <sup>r</sup>Revised. NA Not available.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Includes reported monthly production of copper from old scrap of copper-base, an estimate for annual reporters, and a monthly average of copper from non-copper-base materials based on 2004 data.

<sup>3</sup>Source: U.S. Census Bureau.

TABLE 9  
CONSUMPTION OF PURCHASED COPPER-BASE SCRAP<sup>1</sup>

(Metric tons, gross weight)

| Period              | Smelters and refineries |                     | Ingot makers <sup>2</sup> |                     | Brass and wire-rod mills <sup>3</sup> |           | Foundries, etc. <sup>2</sup> |                     | Total scrap used     |
|---------------------|-------------------------|---------------------|---------------------------|---------------------|---------------------------------------|-----------|------------------------------|---------------------|----------------------|
|                     | New scrap               | Old scrap           | New scrap                 | Old scrap           | New scrap                             | Old scrap | New scrap                    | Old scrap           |                      |
| 2005: <sup>P</sup>  |                         |                     |                           |                     |                                       |           |                              |                     |                      |
| January - September | 12,200 <sup>r</sup>     | 24,100 <sup>r</sup> | 30,100 <sup>r</sup>       | 68,700 <sup>r</sup> | 629,000                               | 26,900    | 31,900 <sup>r</sup>          | 28,600 <sup>r</sup> | 851,000 <sup>r</sup> |
| September           | 1,350                   | 2,550               | 3,350                     | 7,640               | 71,700                                | 2,990     | 3,550                        | 3,180               | 96,400               |
| October             | 1,350                   | 2,380               | 3,350                     | 7,640               | 74,100                                | 1,550     | 3,550                        | 3,180               | 97,000               |
| November            | 1,350                   | 2,580               | 3,350                     | 7,640               | 71,600                                | 1,530     | 3,550                        | 3,180               | 94,700               |
| December            | 1,350                   | 2,570               | 3,350                     | 7,640               | 68,000                                | 1,640     | 3,550                        | 3,180               | 91,300               |
| Year                | 16,200                  | 31,700              | 40,200                    | 91,700              | 842,000                               | 31,600    | 42,600                       | 38,200              | 1,130,000            |
| 2006:               |                         |                     |                           |                     |                                       |           |                              |                     |                      |
| January             | 1,350                   | 2,790               | 3,350                     | 7,640               | 79,400                                | 1,590     | 3,550                        | 3,180               | 103,000              |
| February            | 1,350                   | 2,670               | 3,350                     | 7,640               | 72,900                                | 659       | 3,550                        | 3,180               | 95,300               |
| March               | 1,350                   | 2,670               | 3,350                     | 7,640               | 78,500                                | 1,730     | 3,550                        | 3,180               | 102,000              |
| April               | 1,350                   | 2,670               | 3,350                     | 7,640               | 75,500                                | 1,070     | 3,550                        | 3,180               | 98,300               |
| May                 | 1,350                   | 2,670               | 3,350                     | 7,640               | 78,300                                | 1,850     | 3,550                        | 3,180               | 102,000              |
| June                | 1,350                   | 2,670               | 3,350                     | 7,640               | 78,900                                | 1,410     | 3,550                        | 3,180               | 102,000              |
| July                | 1,350                   | 2,670               | 3,350                     | 7,640               | 73,000                                | 704       | 3,550                        | 3,180               | 95,400               |
| August              | 1,350                   | 2,670               | 3,350                     | 7,640               | 76,600 <sup>r</sup>                   | 847       | 3,550                        | 3,180               | 99,100 <sup>r</sup>  |
| September           | 1,350                   | 2,670               | 3,350                     | 7,640               | 72,100                                | 791       | 3,550                        | 3,180               | 94,600               |
| January - September | 12,200                  | 24,100              | 30,100                    | 68,700              | 685,000                               | 10,700    | 31,900                       | 28,600              | 892,000              |

<sup>P</sup>Preliminary. <sup>r</sup>Revised.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Monthly data and 2005 cumulative data estimated from 2004 annual data.

<sup>3</sup>Consumption at brass and wire-rod mills assumed equal to receipts.

TABLE 10  
CONSUMPTION OF PURCHASED COPPER-BASE SCRAP<sup>1, 2</sup>

(Metric tons, gross weight)

| Scrap type and processor        | 2005 <sup>p</sup>    |         | 2006   |                    |           |                     |
|---------------------------------|----------------------|---------|--------|--------------------|-----------|---------------------|
|                                 | January - September  | Year    | July   | August             | September | January - September |
| No. 1 wire and heavy:           |                      |         |        |                    |           |                     |
| Smelters and refiners           | 43,900 <sup>r</sup>  | 58,900  | 5,240  | 5,240              | 5,240     | 47,200              |
| Brass and wire-rod mills        | 284,000              | 382,000 | 35,600 | 33,300             | 31,500    | 311,000             |
| No. 2 mixed heavy and light:    |                      |         |        |                    |           |                     |
| Smelters and refiners           | 19,600 <sup>r</sup>  | 25,200  | 1,520  | 1,520              | 1,590     | 14,000              |
| Brass and wire-rod mills        | 4,240                | 5,260   | 1,180  | 1,190              | 1,200     | 10,400              |
| Total unalloyed scrap:          |                      |         |        |                    |           |                     |
| Smelters and refiners           | 63,500 <sup>r</sup>  | 84,100  | 6,760  | 6,760              | 6,830     | 61,200              |
| Brass and wire-rod mills        | 288,000              | 387,000 | 36,800 | 34,500             | 32,700    | 321,000             |
| Red brass: <sup>3</sup>         |                      |         |        |                    |           |                     |
| All plants                      | 29,800 <sup>r</sup>  | 40,700  | 2,970  | 3,170              | 3,150     | 29,500              |
| Leaded yellow brass:            |                      |         |        |                    |           |                     |
| All plants                      | 144,000              | 191,000 | 14,200 | 15,200             | 15,600    | 143,000             |
| Yellow and low brass:           |                      |         |        |                    |           |                     |
| All plants                      | 131,000              | 175,000 | 13,900 | 17,300             | 14,500    | 139,000             |
| Cartridge cases and brass:      |                      |         |        |                    |           |                     |
| All plants                      | 72,100 <sup>r</sup>  | 94,500  | 6,840  | 8,330              | 8,080     | 71,900              |
| Auto radiators:                 |                      |         |        |                    |           |                     |
| Smelters and refiners           | 18,700 <sup>r</sup>  | 25,000  | 2,080  | 2,080              | 2,080     | 18,700              |
| Bronzes:                        |                      |         |        |                    |           |                     |
| Smelters and refiners           | 8,330 <sup>r</sup>   | 11,100  | 925    | 925                | 925       | 8,330               |
| Brass mills                     | 4,150 <sup>r</sup>   | 5,790   | 600    | 554                | 575       | 5,450               |
| Nickel-copper alloys:           |                      |         |        |                    |           |                     |
| All plants                      | 14,400               | 18,200  | 1,540  | 1,610 <sup>r</sup> | 1,550     | 14,800              |
| Low grade and residues:         |                      |         |        |                    |           |                     |
| Smelters and refiners           | 26,400 <sup>r</sup>  | 35,300  | 2,940  | 2,940              | 2,940     | 26,400              |
| Other alloy scrap: <sup>4</sup> |                      |         |        |                    |           |                     |
| Smelters and refiners           | 846 <sup>r</sup>     | 1,130   | 94     | 94                 | 94        | 846                 |
| Brass mills                     | 4,500 <sup>r</sup>   | 6,000   | 500    | 500                | 500       | 4,500               |
| Total alloyed scrap:            |                      |         |        |                    |           |                     |
| Smelters and refiners           | 86,300 <sup>r</sup>  | 115,000 | 9,590  | 9,590              | 9,590     | 86,300              |
| Brass mills                     | 369,000 <sup>r</sup> | 488,000 | 37,000 | 43,100             | 40,400    | 376,000             |
| Total scrap:                    |                      |         |        |                    |           |                     |
| Smelters and refiners           | 150,000 <sup>r</sup> | 199,000 | 16,300 | 16,400             | 16,400    | 147,000             |
| Brass and wire-rod mills        | 657,000 <sup>r</sup> | 876,000 | 73,800 | 77,600             | 73,100    | 697,000             |

<sup>p</sup>Preliminary. <sup>r</sup>Revised.

<sup>1</sup>Does not include: consumption by foundries, chemical plants, and miscellaneous manufacturers, estimated to total about 6,730 tons of scrap per month based on 2004 annual data; monthly data include estimates of about 11,000 tons of scrap per month consumed by ingot makers.

<sup>2</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>3</sup>Includes composition turnings, silicon bronze, zincy bronze, railroad car boxes, cocks and faucets, gilding metal, and commercial bronze.

<sup>4</sup>Includes refinery brass, beryllium copper, phosphor copper, and aluminum bronze.

TABLE 11  
COPPER STOCKS AT END OF PERIOD<sup>1</sup>

(Metric tons)

| Period             | Crude copper <sup>2</sup> | Refined copper          |                             |                          |                    |                    |                  | Total refined |
|--------------------|---------------------------|-------------------------|-----------------------------|--------------------------|--------------------|--------------------|------------------|---------------|
|                    |                           | Refineries <sup>3</sup> | Wire-rod mills <sup>3</sup> | Brass mills <sup>3</sup> | Other <sup>4</sup> | Comex <sup>5</sup> | LME <sup>6</sup> |               |
| 2005: <sup>p</sup> |                           |                         |                             |                          |                    |                    |                  |               |
| September          | 54,800                    | 5,950                   | 20,700                      | 20,800                   | 5,750              | 6,910              | 10,000           | 70,200        |
| October            | 50,900                    | 6,640                   | 17,200                      | 21,900                   | 5,750              | 3,350              | 10,800           | 65,700        |
| November           | 42,900                    | 6,210                   | 18,400                      | 23,400                   | 5,750              | 3,340              | 3,830            | 60,900        |
| December           | 44,300                    | 8,190                   | 20,400                      | 24,500                   | 5,750              | 6,180              | 800              | 65,900        |
| 2006:              |                           |                         |                             |                          |                    |                    |                  |               |
| January            | 17,300                    | 11,200                  | 26,800                      | 27,800                   | 5,750              | 10,600             | 25               | 82,100        |
| February           | 21,700                    | 14,500                  | 28,600                      | 29,900                   | 5,750              | 27,600             | --               | 106,000       |
| March              | 15,200                    | 13,300                  | 27,700                      | 28,100                   | 5,750              | 32,000             | 1,880            | 109,000       |
| April              | 18,800                    | 7,690                   | 28,400                      | 31,700                   | 5,750              | 15,500             | 1,080            | 90,200        |
| May                | 40,600                    | 9,960                   | 30,300                      | 31,400                   | 5,750              | 9,540              | 350              | 87,300        |
| June               | 13,500                    | 6,210                   | 24,400                      | 32,700                   | 5,750              | 7,900              | 225              | 77,200        |
| July               | 18,500                    | 7,950                   | 31,600                      | 34,300                   | 5,750              | 6,760              | --               | 86,400        |
| August             | 14,600                    | 9,970                   | 24,800                      | 38,600                   | 5,750              | 12,400             | --               | 91,500        |
| September          | 19,400                    | 8,570                   | 30,500                      | 35,900                   | 5,750              | 20,400             | 1,800            | 103,000       |

<sup>p</sup>Preliminary. -- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Copper content of blister and other materials in transit and in process of refining.

<sup>3</sup>Stocks of refined copper as reported; no estimates are made for nonrespondents.

<sup>4</sup>Monthly estimates based on reported and 2004 annual data, comprising stocks at ingot makers, chemical plants, foundries, and miscellaneous manufacturers.

<sup>5</sup>Commodity Exchange Inc., New York.

<sup>6</sup>London Metal Exchange Ltd., U.S. warehouses.

TABLE 12  
AVERAGE PRICE OF COPPER IN THE UNITED STATES  
AND ON THE LONDON METAL EXCHANGE

(Cents per pound)

| Period              | U.S. producers delivered price cathode <sup>1</sup> | Comex first position <sup>2</sup> | LME cash price Grade A |
|---------------------|---|-----------------------------------|------------------------|
| 2005:               |   |                                   |                        |
| September           | 180.623   | 175.350                           | 174.959                |
| October             | 195.568   | 190.302                           | 184.119                |
| November            | 206.396   | 201.130                           | 193.622                |
| December            | 222.511   | 217.245                           | 207.569                |
| Year                | 173.493   | 168.227                           | 166.837                |
| 2006:               |   |                                   |                        |
| January             | 224.000   | 218.258                           | 214.716                |
| February            | 230.905   | 225.079                           | 225.965                |
| March               | 238.235   | 232.409                           | 231.438                |
| April               | 302.679   | 296.853                           | 289.673                |
| May                 | 381.687   | 375.861                           | 364.874                |
| June                | 345.474   | 339.648                           | 326.400                |
| July                | 368.147   | 362.321                           | 349.740                |
| August              | 358.887   | 353.061                           | 348.985                |
| September           | 352.184   | 346.385                           | 344.768                |
| January - September | 311.355   | 305.542                           | 299.618                |

<sup>1</sup>Listed as "U.S. producer cathode."

<sup>2</sup>Listed as "Comex high grade first position."

Sources: Platts Metals Week and American Metal Market.



TABLE 13  
NEW YORK AVERAGE BUYING PRICES FOR COPPER SCRAP

(Cents per pound)

| Month               | Brass mills<br>No. 1 scrap | Refiners<br>No. 2 scrap | Dealers (New York) |                                      |
|---------------------|----------------------------|-------------------------|--------------------|--------------------------------------|
|                     |                            |                         | No. 2<br>Scrap     | Red brass<br>turnings and<br>borings |
| 2005:               |                            |                         |                    |                                      |
| September           | 142.86                     | 128.38                  | 99.00              | 65.00                                |
| October             | 176.90                     | 162.95                  | 99.00              | 65.00                                |
| November            | 183.70                     | 168.10                  | 99.00              | 65.00                                |
| December            | 201.59                     | 179.59                  | 117.91             | 74.07                                |
| Year                | 153.46                     | 137.28                  | 95.92              | 61.10                                |
| 2006:               |                            |                         |                    |                                      |
| January             | 208.32                     | 188.91                  | 125.00             | 82.50                                |
| February            | 221.85                     | 206.90                  | 125.00             | 82.50                                |
| March               | 229.26                     | 225.24                  | 170.00             | 77.50                                |
| April               | 283.85                     | 257.95                  | 170.00             | 77.50                                |
| May                 | 355.17                     | 322.74                  | 170.00             | 77.50                                |
| June                | 310.98                     | 279.19                  | 192.62             | 121.10                               |
| July                | 333.43                     | 273.15                  | 197.35             | 118.20                               |
| August              | 328.30                     | 265.84                  | 210.05             | 125.32                               |
| September           | 320.65                     | 282.05                  | 208.10             | 125.30                               |
| January - September | 287.98                     | 255.77                  | 174.24             | 98.60                                |

Source: American Metal Market.

TABLE 14  
U.S. IMPORTS FOR CONSUMPTION OF COPPER (UNMANUFACTURED), BY CLASS<sup>1</sup>

(Metric tons, copper content)

| Country or<br>territory | Ore and concentrate |        |                     | Matte, ash and precipitates |        |                     | Blister and anodes |        |                     | Refined   |         |                     |
|-------------------------|---------------------|--------|---------------------|-----------------------------|--------|---------------------|--------------------|--------|---------------------|-----------|---------|---------------------|
|                         | 2006                |        |                     | 2006                        |        |                     | 2006               |        |                     | 2006      |         |                     |
|                         | 2005                | August | January -<br>August | 2005                        | August | January -<br>August | 2005               | August | January -<br>August | 2005      | August  | January -<br>August |
| Austria                 | --                  | --     | --                  | --                          | --     | --                  | --                 | --     | --                  | 3,360     | --      | 1,510               |
| Brazil                  | --                  | --     | --                  | --                          | --     | --                  | 10                 | --     | --                  | 30,500    | 1,000   | 17,200              |
| Canada                  | 2                   | --     | 191                 | 138                         | 115    | 353                 | 86,500             | 7,730  | 57,200              | 296,000   | 21,300  | 172,000             |
| Chile                   | --                  | --     | --                  | --                          | --     | --                  | 41,700             | 7,880  | 46,600              | 429,000   | 52,100  | 365,000             |
| Finland                 | --                  | --     | --                  | --                          | --     | --                  | 65                 | 97     | 684                 | 2,910     | --      | --                  |
| Germany                 | --                  | --     | --                  | --                          | --     | (2)                 | 12                 | --     | --                  | 24,900    | 1,950   | 20,900              |
| Japan                   | --                  | --     | --                  | --                          | --     | --                  | (2)                | --     | --                  | 5,340     | 699     | 4,530               |
| Kazakhstan              | --                  | --     | --                  | --                          | --     | --                  | --                 | --     | (2)                 | 6,300     | 5,470   | 35,800              |
| Mexico                  | 221                 | --     | --                  | 37                          | --     | 17                  | 3,870              | 134    | 1,810               | 28,900    | 2,430   | 14,600              |
| Peru                    | --                  | --     | --                  | --                          | --     | --                  | --                 | --     | --                  | 154,000   | 16,400  | 116,000             |
| Taiwan                  | --                  | --     | --                  | 1,180                       | 86     | 749                 | --                 | --     | --                  | --        | --      | --                  |
| Other                   | --                  | --     | 1                   | 287                         | --     | 77                  | 16                 | --     | 1                   | 23,200    | 130     | 7,840               |
| Total                   | 223                 | --     | 192                 | 1,640                       | 201    | 1,200               | 132,000            | 15,800 | 106,000             | 1,000,000 | 101,000 | 756,000             |

-- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 15  
U.S. EXPORTS OF COPPER (UNMANUFACTURED), BY CLASS<sup>1</sup>

(Metric tons, copper content)

| Country or<br>territory | Ore and concentrate |        |         | Matte, ash and precipitates |        |        | Blister and anodes |        |        | Refined   |        |        |
|-------------------------|---------------------|--------|---------|-----------------------------|--------|--------|--------------------|--------|--------|-----------|--------|--------|
|                         | 2006                |        |         | 2006                        |        |        | 2006               |        |        | 2006      |        |        |
|                         | January -           |        |         | January -                   |        |        | January -          |        |        | January - |        |        |
|                         | 2005                | August | August  | 2005                        | August | August | 2005               | August | August | 2005      | August | August |
| Australia               | --                  | --     | --      | 11                          | --     | 1,840  | 43                 | 16     | 43     | 67        | --     | 64     |
| Belgium                 | 41                  | --     | --      | 37                          | --     | 74     | 724                | --     | 376    | 49        | --     | --     |
| Canada                  | 18,300              | 14,500 | 48,100  | 30,900                      | 6,100  | 51,600 | 20,500             | 37     | 3,400  | 2,070     | 7,700  | 47,800 |
| China                   | 75,700              | 41     | 70,100  | 9,650                       | 668    | 5,660  | 343                | 38     | 239    | 19,000    | 1,200  | 7,130  |
| Costa Rica              | 3                   | --     | --      | (2)                         | --     | 7      | 1                  | --     | --     | 2         | --     | 8      |
| Germany                 | --                  | --     | --      | 93                          | --     | --     | 779                | 329    | 816    | 182       | 93     | 112    |
| Hong Kong               | 2                   | --     | --      | 1                           | --     | 2      | 3,190              | 257    | 2,690  | 7         | --     | 22     |
| India                   | 149                 | 6      | 7       | 1                           | --     | 3      | 58                 | 57     | 150    | 6,650     | 342    | 3,110  |
| Japan                   | 28,700              | --     | 47,700  | 70                          | --     | 2      | 2,230              | 9      | 445    | 5         | --     | (2)    |
| Korea, Republic of      | 1                   | --     | 10,500  | 32                          | --     | 11     | 464                | 71     | 625    | 132       | 20     | 62     |
| Mexico                  | 6,380               | 2,460  | 45,400  | 682                         | 3,820  | 5,110  | 2,660              | 1      | 253    | 9,860     | 4      | 4,710  |
| Saudi Arabia            | --                  | --     | --      | --                          | --     | --     | 11                 | --     | --     | 11        | --     | 93     |
| Singapore               | 19                  | --     | --      | 20                          | 4      | 29     | 491                | 20     | 320    | 13        | --     | --     |
| Spain                   | 1,730               | --     | 400     | --                          | --     | --     | 203                | 20     | 140    | --        | --     | 43     |
| Sweden                  | --                  | --     | --      | --                          | --     | --     | 3,190              | --     | 1,820  | --        | --     | 2      |
| Taiwan                  | 15                  | 62     | 62      | 14                          | 4      | 9      | 1,680              | 80     | 1,070  | 180       | --     | 188    |
| Other                   | 5,600               | 5      | 161     | 338                         | 112    | 953    | 4,950              | 123    | 1,550  | 1,300     | 199    | 886    |
| Total                   | 137,000             | 17,000 | 222,000 | 41,800                      | 10,700 | 65,300 | 41,600             | 1,060  | 13,900 | 39,500    | 9,560  | 64,200 |

-- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 16  
U.S. COPPER SCRAP IMPORTS<sup>1</sup>

(Metric tons, gross weight)

| Country or territory | Unalloyed |        |                  | Alloyed |        |                  |
|----------------------|-----------|--------|------------------|---------|--------|------------------|
|                      | 2006      |        |                  | 2006    |        |                  |
|                      | 2005      | August | January - August | 2005    | August | January - August |
| Brazil               | --        | --     | --               | 276     | 18     | 158              |
| Canada               | 9,080     | 592    | 5,010            | 47,700  | 3,310  | 31,500           |
| China                | --        | --     | 1                | 120     | 142    | 451              |
| Costa Rica           | 2,020     | 195    | 1,200            | 495     | 174    | 926              |
| Germany              | 85        | --     | 31               | 76      | (2)    | 1                |
| Guatemala            | 79        | 9      | 98               | 1,500   | 260    | 1,580            |
| Honduras             | 1,910     | 149    | 1,350            | 651     | 55     | 548              |
| Jamaica              | 269       | 9      | 218              | 125     | 9      | 75               |
| Japan                | 70        | --     | 72               | 135     | --     | 29               |
| Mexico               | 13,300    | 472    | 4,680            | 24,800  | 2,400  | 19,700           |
| Nicaragua            | 831       | 71     | 561              | 573     | 21     | 311              |
| Russia               | --        | --     | --               | --      | --     | 101              |
| Singapore            | --        | --     | --               | 102     | 122    | 226              |
| Taiwan               | 2         | --     | --               | 348     | 14     | 193              |
| United Kingdom       | 258       | 18     | 124              | 925     | 132    | 477              |
| Other                | 2,150     | 52     | 1,600            | 5,850   | 2,370  | 5,260            |
| Total                | 30,100    | 1,570  | 14,900           | 83,700  | 9,010  | 61,600           |

-- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 17  
U.S. COPPER SCRAP EXPORTS<sup>1</sup>

(Metric tons, gross weight)

| Country or territory | Unalloyed |                  |        |                  |        |                  |         | Alloyed    |                  |              |                  |         |
|----------------------|-----------|------------------|--------|------------------|--------|------------------|---------|------------|------------------|--------------|------------------|---------|
|                      | 2006      |                  |        |                  |        |                  |         | 2006       |                  |              |                  |         |
|                      | No. 1     |                  | No. 2  |                  | Other  |                  |         | Segregated |                  | Unsegregated |                  |         |
|                      | 2005      | January - August | 2005   | January - August | 2005   | January - August | 2005    | 2005       | January - August | 2005         | January - August | 2005    |
| Belgium              | 644       | --               | 156    | --               | 22     | 72               | 832     | 6,890      | 265              | 1,040        | 1,010            | 7,390   |
| Canada               | 27,900    | --               | --     | --               | --     | 9,110            | 48,100  | 13,900     | 1,620            | 10,000       | 3,280            | 18,000  |
| China                | 265,000   | 4,970            | 24,900 | 9,290            | 80,000 | 8,820            | 45,100  | 182,000    | 14,300           | 83,400       | 10,200           | 67,700  |
| Germany              | 10,600    | 175              | 1,650  | --               | 347    | 1,290            | 6,120   | 9,990      | 1,090            | 4,640        | 561              | 7,020   |
| Hong Kong            | 9,200     | 36               | 176    | 165              | 1,520  | --               | 373     | 12,800     | 44               | 651          | 771              | 6,770   |
| India                | 4,460     | --               | 220    | --               | --     | 56               | 907     | 15,800     | 1,220            | 7,680        | 230              | 762     |
| Japan                | 6,710     | 191              | 581    | 115              | 212    | 738              | 3,370   | 7,950      | 600              | 4,450        | 183              | 923     |
| Korea, Republic of   | 27,200    | 1,070            | 7,170  | 170              | 2,650  | 1,190            | 6,040   | 10,200     | 1,000            | 8,230        | 98               | 146     |
| Mexico               | 1,010     | --               | 106    | --               | --     | 20               | 59      | 1,570      | 18               | 703          | 1,110            | 5,190   |
| Spain                | 145       | --               | 9      | 2                | 59     | 96               | 118     | 5,580      | --               | 31           | 883              | 7,790   |
| Taiwan               | 11,600    | 563              | 1,810  | 1,280            | 4,490  | 270              | 1,750   | 10,600     | 1,070            | 5,030        | --               | 64      |
| Thailand             | 874       | --               | --     | --               | --     | 40               | 138     | 475        | --               | 225          | --               | --      |
| United Kingdom       | 276       | --               | 1      | 4                | 4      | --               | 80      | 3,440      | 186              | 335          | --               | --      |
| Other                | 1,120     | 100              | 1,030  | 20               | 77     | 89               | 1,130   | 10,200     | 446              | 2,000        | 709              | 5,450   |
| Total                | 366,000   | 7,110            | 37,800 | 11,000           | 89,400 | 21,800           | 114,000 | 291,000    | 21,900           | 128,000      | 19,100           | 127,000 |

-- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.